

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000049**Date Inspected:** 24-Apr-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Jun Xu**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** NA**Bridge No:** 34-0006**Component:** NA**Bid Item:** 52, 55**Lot No:** NA**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Mike Hasler was present to observe quality control functions related to welding, testing and fabrication procedures at the Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island for the San Francisco Oakland Bay Self Anchored Suspension Bridge.

At 1400 hours, Caltrans QA Inspector observed ZPMC performing fit up and welding of American Bridge/Fluor (ABF) mockups, designated as elevation 77.000 (diaphragm 3B), 89.000 (diaphragm 2C) and 114.000 (tower splice).

Caltrans QA observed one (1) laborer grinding remaining material left-over, after the removal of fitup aids on ABF mockup, identified as the D-skin, elevation 89.000 subassembly. The fitup aids appeared to be removed, using the air carbon arc gouge method.

Caltrans QA observed three (3) welders welding stiffener plates to E-skin plate on the ABF mockup identified as elevation 77.000 subassembly.

Caltrans QA observed fifteen (15) fitter/welders performing various fitup and welding activities at ABF mockup, identified as elevation 114.000 subassembly, connection plates to skin A, B, C, D and E plates.

Caltrans QA observed rib fitup and welding. ZPMC appears to have thirty (30) workers working rib assembly. The workers were observed welding and modifying equipment and running practice welds, to simulate actual fabrication welding of ABF mockup.

Caltrans QA observed ZPMC quality control inspectors and ABF quality control, Inspectech and Bureau Veritas inspectors performing observations and inspections.

SOURCE INSPECTION REPORT

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Summary of Conversations:

See Task Leader journal for this week.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By: Hasler, Mike

Quality Assurance Inspector

Reviewed By: McClary, David

QA Reviewer